

# FIELDIANA · ZOOLOGY

Published by

CHICAGO NATURAL HISTORY MUSEUM

Volume 39

OCTOBER 17, 1958

No. 20

## MARINE MOLLUSKS FROM BOUGAINVILLE AND FLORIDA, SOLOMON ISLANDS

ALAN SOLEM

ASSISTANT CURATOR, DIVISION OF LOWER INVERTEBRATES

My checklist of the Solomon Island marine and fresh-water mollusks (Solem, 1953) was based on a large collection donated to Chicago Natural History Museum by Captain J. M. Ross and supplemented by a series of records in the literature. Two small collections of marine shells given to the University of Michigan Museum of Zoology add to our knowledge of the fauna, and the additional data are reported below.

I did not communicate with Dr. C. E. Fox, who presented the shells to Captain Ross, until after the checklist had been published. Dr. Fox then informed me that all the shells he gave to Captain Ross were found near Guadalcanal and Malaita Islands. The locality "Solomon Islands" cited by me (Solem, 1953) for the Fox collection should be restricted to "Guadalcanal and Malaita."

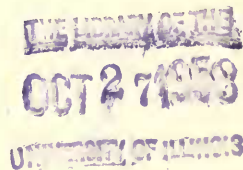
Since September, 1952, when my manuscript (Solem, 1953) was submitted, the checklist of Kuroda and Habe (1952), the semi-popular book of Kira (1955), and the ecological study of Demond (1957) have brought to my attention a number of nomenclatural changes affecting the names used by me (Solem, 1953). These changes in no way alter the taxonomic position of the genera and species—only the names applied to the units. Both below, and in a report on the New Hebridean marine fauna (Solem, in press), a number of nomenclatural changes are recorded.

The primary need in the study of Indo-Pacific marine shells is for monographic treatments of families and genera. Clear concepts of speciation do not exist and nearly all identifications of species must be extremely tentative. Local faunal lists are useful for distribution records of species only if the authority for identification is clearly indicated. Both below and in a previous report (Solem, in press),

*Library of Congress Catalog Card Number: 58-14274*

No. 856

213



NATURAL  
HISTORY SURVEY

material which I have identified personally is accompanied by citation of a reference figure, from Hirase and Taki (1951) or Kira (1955), for well-known species, or from one of the standard iconographies (Reeve, Sowerby, Martini and Chemnitz, Tryon, or Kiener), for less familiar forms. It is hoped that this procedure will greatly increase the value of this list to other workers.

#### MATERIAL STUDIED

Most of the specimens reported on below were collected by Dr. Harold W. Harry and Commander Robert E. Kuntz during their military service in the Solomons. Dr. Harry collected at Torokina Point, Empress Augusta Bay, Bougainville Island, in November, 1945; Commander Kuntz was stationed on Florida Island from 1944 to 1945. Most of Kuntz's marine shells were picked up from beach drift along the bay opposite Tulagi Island, but some specimens came from definite collecting stations. The "FLW" and "SM" numbers refer to individual stations on Florida Island. A list of the stations, together with ecological data, will be given in a separate report on the land mollusks of Florida Island.

A few additional specimens in Chicago Natural History Museum and the University of Michigan Museum of Zoology are reported on at this time and records from Hedley (1899) and C. R. Boettger (1916) are incorporated.

#### ACKNOWLEDGMENTS

For permission to study the Kuntz and Harry collections I am indebted to Dr. Henry van der Schalie and the late J. Speed Rogers of the University of Michigan Museum of Zoology. The specimens were studied at Chicago Natural History Museum in 1953, 1954, and 1955, together with New Hebridean, Admiralty Island, and Micronesian marine shells. The material is deposited in the University of Michigan collection of mollusks, except for a few duplicates donated to Chicago Natural History Museum. For assistance during my work on these collections I am indebted to Dr. Fritz Haas and the late Karl P. Schmidt.

#### SYSTEMATIC LIST

Unless otherwise indicated, all records from Bougainville represent material collected by Harold Harry and all from Florida Island are those of specimens found by Robert Kuntz. "B" indicates a record from C. R. Boettger (1916), "H" a record from Hedley (1899),

and "E" a specimen collected by Walter J. Eyerdam. Species preceded by an asterisk were not formerly listed by me (Solem, 1953) and thus represent new distribution records. The use of trinomials does not indicate geographic subspecies, but only morphologic forms whose taxonomic status remains to be determined.

## PELECYPODA

## Arcidae

- \**Anadara disparilis* Reeve (= *rhomboidalis* Chemnitz)  
Buka (B)
- \**Anadara scapha* Meuschen  
Kira (1955, pl. 43, fig. 12)  
Florida, Bougainville, Malaita (E)
- Arca ventricosa* Lamarck  
Hirase and Taki (1951, pl. 1, fig. 8)  
Florida
- Barbatia bicolorata* Dillwyn (= *fusca* Bruguière)  
Hirase and Taki (1951, pl. 2, fig. 4)  
Florida, Bougainville

## Mytilidae

- Brachidontes (Septifer) bilocularis* Linné  
Hirase and Taki (1951, pl. 18, fig. 2)  
Florida
- Modiolus (Modiolus) philippinarum* Hanley  
Reeve, *Modiolus*, pl. 1, fig. 1  
Florida

## Pteriidae

- \**Pinctada (Pinctada) maxima* Jameson  
Buka (B)

## Pectinidae

- Comptopallium pauciplicatum* Iredale (= *radula* Linné?) (unfigured)  
Florida
- Spondylus ducalis* Röding (= *squamosus* Schreibers)  
Hirase and Taki (1951, pl. 15, fig. 2)  
Bougainville
- Spondylus hystrix* Röding  
Reeve, *Spondylus*, pl. 14, fig. 50  
Florida

## Ostreidae

- \**Ostraea cristagalli* Linné  
Reeve, *Ostraea*, pl. 28, fig. 72  
Florida (H)

## Corbiculidae

- Batissa violacea* Deshayes  
Martini and Chemnitz, 9, (3), pl. 33, fig. 5  
FLW 17
- \**Polymesoda (Geloina) cyprinoides* Quoy and Gaimard  
Martini and Chemnitz, 9, (3), pl. 20, figs. 3, 4  
FLW 54, Florida, Bougainville

## Carditidae

- \**Beguina (Mytilicardita) variegata* Bruguière  
Hirase and Taki (1951, pl. 24, fig. 1)  
Florida

## Cardiidae

- \**Trachycardium flavum* Linné  
Reeve, *Cardium*, pl. 14, fig. 68  
Tulagi (E)

## Tridacnidae

- Hippopus hippopus* Linné  
Hirase and Taki (1951, pl. 25, fig. 3)  
Tulagi (Harry)

*Tridacna crocea* Lamarck  
Steward (B)

- \**Tridacna gigas* Linné  
Steward (B)

## Veneridae

*Gafrarium (Gafrarium) tumidum* Röding (= *gibbium* Lamarck)  
Hirase and Taki (1951, pl. 33, fig. 3)  
Tulagi (E)

*Lioconcha castrens* Linné  
Guadalcanal (H)

*Lioconcha ornata* Dillwyn (= *picta* Lamarck)  
Martini and Chemnitz, 11, (1), pl. 12, figs. 13-15  
Florida

*Pitar (Paradione) pellucidus* Lamarck  
Kira (1955, pl. 57, fig. 9)  
Florida

*Sunetta (Sunetta) scripta* Linné  
Reeve, *Meroe*, pl. 2, fig. 6a-c  
Bougainville

- \**Tapes radiatus* "Chemnitz" Dillwyn  
Martini and Chemnitz, 11, (1), pl. 15, fig. 1  
Bougainville

- \**Venus (Chione) imbricata* Sowerby  
Sowerby, *Thes. Conch.*, 2, pl. 156, figs. 81-82  
Bougainville

## Mesodesmatidae

*Mesodesma (Atactodea) striatum* Lamarck  
Reeve, *Mesodesma*, pl. 2, fig. 10  
Santa Anna (E)

## Donacidae

*Donax (Latona) cuneatus* Linné  
Kira (1955, pl. 58, fig. 15)  
Bougainville

- \**Donax* aff. *dysoni* Deshayes  
Bougainville

## Tellinidae

- \**Strigilla (Strigilla) splendida* Anton  
Martini and Chemnitz, 10, (4), pl. 37, figs. 13-16  
Bougainville

## GASTROPODA OPISTHOBRANCHIATA

## Actaeonidae

\**Solidula solidula* Linné

Man. Conch., (1), 15, pl. 20a, figs. 37-38  
Florida

## Bullidae

*Bulla (Bulla) adamsi* Menke

Man. Conch., (1), 15, pl. 35, figs. 15, 16, 19, 20  
Florida, Bougainville

*Bulla (Bulla) ampulla* Linné

Man. Conch., (1), 15, pl. 34, figs. 1-3  
Florida

## Atyidae

*Atya (Aliculastra) cylindrica* Helbing

Man. Conch., (1), 15, pl. 33, figs. 60-62  
Florida

## GASTROPODA PROSOBRANCHIATA

## Fissurellidae

\**Diadora lineata* Sowerby

Man. Conch., (1), 12, pl. 63, figs. 29-30  
Bougainville

\**Emarginula* aff. *clathrata* Pease

Florida; too worn for positive identification, but nearest to the  
indicated species.

## Patellidae

\**Cellana sagittata* Gould

Man. Conch., (1), 13, pl. 65, figs. 89-92  
Bougainville (juvenile)

*Patella (Scutellastra) stellaeformis* Reeve

Man. Conch., (1), 13, pl. 61, figs. 62-65  
Bougainville

## Trochidae

*Chrysostoma paradoxum* Born

Hirase and Taki (1951, pl. 67, fig. 1)  
Florida, Stewart (B)

\**Ethalia (Ethalia) guamense* Quoy and Gaimard

Man. Conch., (1), 11, pl. 59, figs. 38-39  
Florida

*Euchelus (Euchelus) atratus* Gmelin

Man. Conch., (1), 11, pl. 38, fig. 22  
Florida

\**Euchelus (Euchelus) instrictus* Gould

Hirase and Taki (1951, pl. 70, fig. 6)  
Bougainville

*Homalopoma (Homalopoma) supragranosum* Smith

Jour. Linn. Soc. London, Zool., 12, pl. 30, fig. 15  
Bougainville

\**Tectus (Cardinalia) fenestratus* Gmelin

Kiener, *Trochus*, pl. 38, fig. 3  
Florida

*Tectus (Rochia) niloticus* Linné  
Hirase and Taki (1951, pl. 65, fig. 6)  
Bougainville, Buka (B)

\**Trochus (Trochus) incassatus creniferus* Kiener  
Kiener, *Trochus*, pl. 34, fig. 3  
Bougainville

*Trochus (Trochus) maculatus maculatus* Linné  
Hanley, *Ipsa Conch. Linn.*, pl. 3, fig. 7  
Florida

\**Trochus (Trochus) maculatus granosus* Lamarck  
Kiener, *Trochus*, pl. 34, fig. 1  
Bougainville (E)

\**Trochus (Infundibulum) tubiferus* Kiener  
Kiener, *Trochus*, pl. 37, fig. 3  
Florida

#### Angariidae

*Angaria (Angaria) delphinus delphinus* Linné  
Hirase and Taki (1951, pl. 71, fig. 8)  
Florida

#### Turbinidae

*Liotia (Arene) crenata* Kiener  
Kiener, *Delphinula*, pl. 4, fig. 8  
Bougainville

\**Liotia (Liotia) peronii* Kiener  
Kiener, *Delphinula*, pl. 3, fig. 5  
Bougainville

\**Turbo (Marmarostoma) argyrostomus argyrostomus* Linné  
Hirase and Taki (1951, pl. 73, fig. 4)  
Bougainville

*Turbo (Marmarostoma) chrysostomus* Linné  
*Man. Conch.*, (1), 10, pl. 40, fig. 19  
Florida

\**Turbo (Marmarostoma) crassus* Wood  
Gower (B)

*Turbo (Olearia) marmoratus* Linné  
Buka (B)

*Turbo (Turbo) petholatus* Linné  
Gower (B)

*Turbo (Lunella) porphyrites* Martyn  
Buka (B)

*Turbo (Marmarostoma) setosus* Gmelin  
Solomons (H)

#### Phasianellidae

\**Phasianella (Orthomesium) variegata* Lamarck  
*Man. Conch.*, (1), 10, pl. 39, figs. 97, 98  
Bougainville

#### Neritidae

*Nerita (Nerita) planospira* Anton  
*Man. Conch.*, (1), 10, pl. 3, fig. 48  
FLW 6, FLW 51

*Nerita (Amphinerita) polita* Linné  
Hirase and Taki (1951, pl. 75, fig. 13)  
Florida

*Nerita (Ritena) undata* Linné  
Man. Conch., (1), 10, pl. 5, fig. 87  
Florida

#### Littorinidae

\**Littorina (Melaraphe) coccinea* Gmelin (= *obesa* Sowerby)  
Eddystone Island (H)

*Littorinopsis (Littorinopsis) scabra* Linné  
Hirase and Taki (1951, pl. 79, fig. 13)  
SM 16, Florida, Malaita (E)

*Littorinopsis (Littorinopsis) undulatus* Gray  
Hirase and Taki (1951, pl. 79, fig. 11)  
Bougainville

#### Rissoidae

\**Rissoina transenna* Watson  
Challenger Exped., Gastropoda, pl. 46, fig. 10  
FLW 40

#### Planaxidae

*Planaxis (Planaxis) lineatus* Da Costa  
Hirase and Taki (1951, pl. 79, fig. 17)  
Bougainville

#### Modulidae

*Modulus tectus* Gmelin  
Hirase and Taki (1951, pl. 85, fig. 5)  
Florida

#### Potamiidae

*Cerithidea cornea* A. Adams  
Man. Conch., (1), 9, pl. 32, fig. 55  
FLW 5, FLW 12, FLW 34

*Terebralia palustris* Bruguière  
Kiener, *Cerithium*, pl. 1  
FLW 50, Florida; adult specimens were 44.9–88.1 mm. long.

#### Cerithiidae

\**Cerithium balteatum* Philippi  
Reeve, *Cerithium*, pl. 11, fig. 72  
Florida

*Cerithium nodulosum* Linné  
Buka (B)

*Cerithium consisum* Hombron and Jacquinot (= *morus* Lamarck)  
Man. Conch., (1), 19, pl. 24, figs. 29–33  
Florida

#### Scalidae

\**Cirsotrema (Coronoscala) perplexum* Pease  
Bougainville (juvenile)

#### Pyramidellidae

\**Pyramidella (Longchaeus) acus* Gmelin  
Man. Conch., (1), 8, pl. 72, figs. 76, 78  
Florida

## Strombidae

*Canarium (Euprotomus) aurisdianae* Linné  
Gower (B)

*Canarium (Labiostrombus) canarium* Linné  
Man. Conch., (1), 7, pl. 2, figs. 18, 20  
Florida

\**Canarium (Canarium) terebellatum* Sowerby  
Man. Conch., (1), 7, pl. 8, fig. 87  
Florida

\**Canarium (Canarium) labiatum* Röding (= *ustulatus plicatus* Lamarck)  
Dodge (1946, figs. 3, 7)  
Florida, Choiseul (E)

*Lambis chiragra* Linné  
Buka (B)

*Lambis lambis* Linné  
Hirase and Taki (1951, pl. 87, fig. 1)  
Florida, Tulagi (Harry)

*Terebellum terebellum* Linné  
Hirase and Taki (1951, pl. 89, fig. 1)  
Florida

## Naticidae

\**Natica (Natica) alapapilionis* Gmelin  
Hirase and Taki (1951, pl. 90, fig. 5)  
Bougainville

*Natica (Natica) marochinensis* Gmelin  
Man. Conch., (1), 8, pl. 5, fig. 75  
FLW 47, Bougainville; specimens from FLW 47 are near the quoted  
figure, those from Bougainville nearest var. *tessellata* Philippi  
(Man. Conch., (1), 8, pl. 5, fig. 79).

\**Natica (Natica) onca* Röding (= *chinensis* Lamarck)  
Hirase and Taki (1951, pl. 90, fig. 8)  
Florida

*Polinices mammilla* Linné  
Man. Conch., (1), 8, pl. 16, fig. 46  
Florida, Tulagi

*Polinices melanostoma* Gmelin  
Man. Conch., (1), 8, pl. 21, fig. 14  
Florida

## Ovulidae (= Amphiperatidae)

*Ovula ovum* Linné  
Gower (B)

## Cypraeidae

*Callistocypraea (Callistocypraea) aurantium* Linné  
Steward (B)

*Cypraea (Lyncina) carneola* Linné  
Florida, Gower (B)

*Cypraea (Lyncina) lynx* Linné  
Florida

*Erronea (Erronea) erronea* Linné  
Florida



- Monetaria annulus* Linné  
Florida, Bougainville  
*Talparia (Talparia) talpa* Linné  
Gower (B)

## Cassidae

- Cypraeacassis (Cypraeacassis) rufa* Linné  
Gower (B)  
\**Semicassis (Casmaria) torquata* Reeve  
Gower (B)

## Tonniidae

- Tonna perdix* Linné  
Gower (B)

## Cymatiidae

- Colubraria distorta* Schubert and Wagner  
Man. Conch., (1), 3, pl. 14, fig. 125  
Florida  
*Gyrineum (Gyrineum) gyrinum* Linné  
Man. Conch., (1), 3, pl. 23, fig. 48  
Florida  
*Lampusia chlorostoma* Lamarck  
Man. Conch., (1), 3, pl. 7, fig. 47  
Florida  
*Lampusia rubecula* Linné  
Hirase and Taki (1951, pl. 95, fig. 7, right)  
Florida

## Muricidae

- Chicoreus (Chicoreus) brunneus* Link (= *adustus* Lamarck)  
Hirase and Taki (1951, pl. 109, fig. 4)  
Tulagi  
\**Cronia (Usilla) margariticola* Broderip (= *undata* Chemnitz)  
Man. Conch., (1), 2, pl. 59, fig. 260  
Florida, Bougainville  
*Cronia (Cronia) buccinea* Deshayes  
Man. Conch., (1), 2, pl. 55, fig. 176  
Bougainville  
*Drupa (Morula) granulata* Duclos (= *tuberculata* Blainville)  
Hirase and Taki (1951, pl. 110, fig. 15)  
Bougainville  
*Drupa (Drupa) ricinus* Linné  
Hirase and Taki (1951, pl. 110, fig. 11)  
Bougainville  
\**Maculotrion digitale* Reeve  
San Christoval (H)  
*Maculotrion serriale* Lebord and Deshayes (= *bracteatus* Hinds)  
Man. Conch., (1), 3, pl. 15, fig. 141  
Bougainville  
\**Purpura (Purpura) rudolphii* Lamarck  
Hirase and Taki (1951, pl. 110, fig. 6)  
Bougainville

## Magilidae

- \**Coralliophila violacea* Kiener (= *neritoides* of authors)  
Hirase and Taki (1951, pl. 111, fig. 8)  
Florida
- \**Magilus antiquus* Lamarck  
Solomon Islands (H)

## Columbellidae

- Columbella (Columbella) fulgurans* Lamarck  
Martini and Chemnitz, 3, (1d), pl. 3, figs. 6-8  
Choiseul (E); var. *punctata* also represented
- \**Columbella (Columbella) obtusa* Sowerby  
Solomon Islands (H)
- Columbella (Nitidella) pardalina* Lamarck  
Martini and Chemnitz, 3, (1d), pl. 6, figs. 8-9  
Bougainville
- Columbella (Euplica) turturina* Lamarck  
Demond (1957, p. 318, fig. 26)  
Florida
- Columbella (Columbella) varians* Sowerby  
Man. Conch., (1), 5, pl. 46, fig. 3  
Bougainville
- Columbella (Columbella) versicolor* Sowerby  
Hirase and Taki (1951, pl. 107, fig. 1)  
Florida, Bougainville
- Mitrella (Mitrella) ligula* Duclos  
Man. Conch., (1), 5, pl. 47, fig. 55e  
Florida; 10 per cent of the specimens are like fig. 55d

## Buccinidae

- Cantharus fumosus* Dillwyn  
Demond (1957, p. 318, fig. 27)  
Florida, Malaita (E)
- \**Engina lauta* Reeve  
Reeve, *Ricinula*, pl. 4, fig. 24  
Florida
- Engina melanozona* Tomlin (= *zonata* Reeve)  
Hirase and Taki (1951, pl. 105, fig. 9)  
Bougainville
- Engina mendicaria* Linné  
Hirase and Taki (1951, pl. 105, fig. 8)  
Tulagi (E), Steward (B)

## Nassariidae

- \**Alectrion (Zeuxis) lentiginosus* Adams  
Reeve, *Nassa*, pl. 3, fig. 15  
Bougainville
- Alectrion (Zeuxis) lurida* Gould  
U. S. Explor. Exped. Wilkes, Atlas, fig. 325  
FLW 47, Florida (listed in Solem, 1953, as *canaliculatus* Lamarck)
- Alectrion (Alectrion) monile* Kiener  
Kiener, *Buccinum*, pl. 11, fig. 40  
Florida

- Arcularia callosa* Adams  
Reeve, *Nassa*, pl. 10, fig. 66  
Florida
- Arcularia globosa* Quoy and Gaimard  
Reeve, *Nassa*, pl. 10, fig. 62  
FLW 47, FLW 48, Florida
- \**Hebra muricata* Quoy and Gaimard  
Reeve, *Nassa*, pl. 11, fig. 73  
San Christoval (E)
- Hebra subspinosa* Lamarck  
Kiener, *Buccinum*, pl. 26, fig. 103  
Florida
- \**Hima (Caesia) concinna* Powis  
Reeve, *Nassa*, pl. 14, fig. 91  
Florida
- Nassaria (Nassaria) coronata* Bruguière  
Buka (B)
- \**Niothia albescens* Dunker  
Reeve, *Nassa*, pl. 15, fig. 100  
Florida

## Olividae

- Oliva (Oliva) caerulea* Röding (= *episcopalis* Lamarck)  
Gower (B)
- Oliva (Oliva) miniacea* Röding (= *erythrostoma* Meuschen)  
Hirase and Taki (1951, pl. 113, fig. 3)  
Florida
- Oliva (Oliva) reticulata* Röding (= *sanguinolenta* Lamarck)  
Reeve, *Oliva*, pl. 13, fig. 25  
Florida
- Oliva (Galeola) tessellata* Lamarck  
Reeve, *Oliva*, pl. 20, fig. 53  
Florida

## Mitridae

- Imbricaria conica* Schumacher  
Reeve, *Mitra*, pl. 27, fig. 26  
Florida
- Mitra (Mitra) stictica* Link (= *pontificalis* Lamarck)  
San Christoval (H)
- Pusia aureolata* Swainson  
Man. Conch., (1), 4, pl. 55, fig. 602  
Florida
- \**Pusia pardalis* Kuster  
Reeve, *Mitra*, pl. 30, fig. 242 (poor)  
Florida
- Scabricula (Chrysame) adusta* Lamarck  
Hirase and Taki (1951, pl. 101, fig. 3)  
Florida
- Scabricula (Scabricula) ferruginea* Lamarck  
Reeve, *Mitra*, pl. 4, fig. 28  
Bougainville

- Scabricula (Cancilla) filaris* Linné  
Hirase and Taki (1951, pl. 101, fig. 1)  
Florida
- \**Scabricula (Chrysame) peregra* Reeve  
Reeve, *Mitra*, pl. 24, fig. 186  
Florida
- Scabricula (Chrysame) vexillum* Reeve  
Man. Conch., (1), 4, pl. 43, fig. 253  
Florida
- \**Vexillum (Vexillum) corrugatum* Lamarck  
Reeve, *Mitra*, pl. 9, fig. 57b  
Florida
- Vexillum (Costellaria) cruentatum* Lamarck  
Reeve, *Mitra*, pl. 17, fig. 126  
Florida
- \**Vexillum (Costellaria) exasperatum* Gmelin  
Hirase and Taki (1951, pl. 101, fig. 14)  
Florida
- \**Vexillum (Vexillum) gruneri* Reeve  
Reeve, *Mitra*, pl. 16, fig. 119  
Florida
- Vexillum (Costellaria) obeliscum* Reeve  
Reeve, *Mitra*, pl. 15, fig. 107  
Florida
- Vexillum (Vexillum) plicarium* Linné  
Reeve, *Mitra*, pl. 8, fig. 56  
Florida
- \**Vexillum (Costellaria) sanguisugum* Lamarck  
Reeve, *Mitra*, pl. 14, fig. 99  
Florida
- \**Vexillum (Costellaria) stigmatarium* Lamarck  
Reeve, *Mitra*, pl. 3, fig. 15  
Florida

## Volutidae

- Aulica (Aulicina) vespertilio* Linné  
Gower (B)

## Conidae

- Conus arenatus* Bruguière  
Kiener, *Conus*, pl. 10, fig. 1  
Florida
- Conus capitaneus mustelinus* Bruguière  
Kiener, *Conus*, pl. 20, fig. 2  
Florida
- Conus eburneus* Bruguière  
Hirase and Taki (1951, pl. 113, fig. 15)  
Florida
- Conus magus magus* Linné  
Kiener, *Conus*, pl. 67, fig. 1, right  
Florida
- \**Conus muriculatus* Sowerby  
Kiener, *Conus*, pl. 72, fig. 2  
Florida

- \**Conus radiatus* Gmelin  
Sowerby, Thes. Conch., 3, pl. 206, fig. 490  
Florida
- Conus textile* Linné  
Steward (B)
- Conus vitulinus* Bruguière  
Hirase and Taki (1951, pl. 114, fig. 7)  
Florida

#### Terebridae

- \**Terebra areolata* Link (= *muscaria* Lamarek)  
Hirase and Taki (1951, pl. 116, fig. 4)  
Florida
- \**Terebra cingulifera* Lamarek  
Hirase and Taki (1951, pl. 116, fig. 11)  
Florida

#### DISCUSSION

Of the 164 species listed above, 60 were not included in my previous report (Solem, 1953). With these additions, 543 species and varieties of marine mollusks have now been reported from the Solomons. Undoubtedly this represents only a small portion of the actual fauna. Available collections represent only beach material and have been made in a short time.

The tropical Indo-Pacific marine fauna is at its richest in the Indonesian-Philippine area and rapidly attenuates as the coral islands in the Pacific Ocean are reached. The Solomons probably have a more extensive marine fauna than the New Caledonian area, yet there are 151 species of Mitridae known from New Caledonia compared with 40 from the Solomons; 196 New Caledonian "Turrids" compared with 14 Solomon Island ones; and so on, group by group. Probably at least 2,500 species of marine mollusks will be discovered in the Solomons and of these as many as 1,300 may be found in very shallow water.

The distributional pattern of the Indo-Pacific marine mollusks is very poorly known. The raw data of faunal lists are useful for distribution of species groups, but because of the chaotic taxonomy they are usually unreliable for specific identifications. The citation of a reference figure partially eliminates this objection to faunal studies, and it is hoped that this contribution may prove of value to students trying to interpret molluscan distribution in the Indo-Pacific.

## REFERENCES

BOETTGER, CAESAR R.

1916. Die Molluskenausbeute der Hanseatischen Sudsee-Expedition 1909. Abhandl. Senckenberg. Naturf. Gesell., 36, (3), pp. 287-308, pls. 21-23.

DEMOND, JOAN

1957. Micronesian reef-associated gastropods. Pacific Science, 11, (3), pp. 275-341, 42 figs., 4 pls., 1 table.

DODGE, HENRY

1946. Notes on the *Strombus dentatus* Linné and *Strombus urceus* complex. Amer. Mus. Nov., no. 1314, 8 pp., 8 figs.

HEDLEY, CHARLES

1899. The Mollusca of Funafuti. Mem. Australian Mus., 3, (7-9), pp. 397-565, 80 figs.

HIRASE, SHINTARO, and TAKI, ISAO

1951. A handbook of illustrated shells. 134 pls. Tokyo; Bunkyoakaku.

KIRA, TETSUAKI

1955. Coloured illustrations of the shells of Japan. 204 pp., 67 pls. Osaka; Huikusha.

KURODA, TOKUBAI, and HABE, TADASHIGE

1952. Check list and bibliography of the recent marine Mollusca of Japan. 210 pp. Tokyo; Stach.

SOLEM, ALAN

1953. Marine and fresh-water mollusks of the Solomon Islands. Fieldiana, Zool., 34: 213-227.

In press. Marine Mollusca of the New Hebrides. Pacific Science.